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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

# INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

**Note verbale dated 30 December 1996 from the Permanent Mission of Argentina to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of Argentina to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit information concerning the launch of satellites μSAT 1 (RA 1) and SAC-B (RA 2) (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.97-20205T

*Annex*

## REGISTRATION DATA FOR ARGENTINE SPACE LAUNCHES*

| | |
|---|---|
| Name of object launched: | Scientific satellite μSAT-1 |
| Registration number: | RA 1 |
| Date of launch: | 29 August 1996 |
| Location of launch: | Plesetsk, Russian Federation |
| Owner of object launched: | Coratec SE and AIT |
| Basic orbital parameters: | Nodal period: 98.88 minutes<br>Inclination: 62.8 degrees<br>Apogee: 1,183 kilometres<br>Perigee: 239 kilometres |
| Launch vehicle: | Rocket Molniya |
| Launching organization: | NPO Lavochkin |
| General function of space object: | Experimental platform capable of taking and sending images of the national territory and of receiving, storing and retransmitting messages between low-cost ground stations (PC-type) |
| Name of object launched: | SAC-B |
| Registration number: | RA 2 |
| Date of launch: | 5 November 1996 |
| Location of launch: | Wallops NASA Flight Facility, United States of America |
| Operator of object launched: | National Commission on Space Activities, Argentina |
| Basic orbital parameters: | Nodal period: 95.7 minutes<br>Inclination: 38 degrees<br>Apogee: 550 ± 20 kilometres<br>Perigee: 510 ± 91 kilometres |

*The registration data are reproduced in the form in which they were received.

| | |
|---|---|
| Launch vehicle: | Pegasus XL |
| Launching organization: | National Aeronautics and Space Administration, United States |
| General function of space object: | Scientific applications satellite:<br>Hard and soft solar X-ray observation;<br>Detection of background non-solar X-ray levels;<br>Detection of neutral particles in orbital altitudes; and<br>Technological demonstration. |

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

# INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

**Note verbale dated 10 January 1997 from the Permanent Mission of Sweden to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of Sweden to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to inform him that the Swedish Scientific Satellite FREJA, which is registered in document ST/SG/SER.E/257, ceased to function on 14 October 1996.

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

# INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

**Note verbale dated 21 March 1997 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data for the United States space launches for the period April to June 1996 (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

*Annex*

## REGISTRATION DATA FOR U.S. SPACE LAUNCHES*

The following report supplements the registration data for the United States Launches as of 30 April, 1996.
All launches were made from the territory of the United States unless otherwise specified.

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1996-020B | 03 April 1996 | 642.5 | 22.0 | 35,543 | 1,029 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-024A | 24 April 1996 | 102.9 | 99.4 | 913 | 903 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-024B | 24 April 1996 | 102.9 | 99.4 | 913 | 908 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-024C | 24 April 1996 | 103.0 | 99.3 | 971 | 842 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-026A | 24 April 1996 | 684.0 | 28.6 | 38,455 | 225 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-027B | 30 April 1996 | 95.3 | 4.0 | 594 | 469 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1966-077L | 19 August 1966 | 165.0 | 88.3 | 6,052 | 1,143 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

*The registration data are reproduced in the form in which they were received.

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 30 April, 1996: | | | | | | |
| NONE | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 30 April, 1996: | | | | | | |
| NONE | | | | | | |
| The following objects identified in a previous report are no longer in orbit as of 2400Z 30 April, 1996: | | | | | | |
| 1996-018A | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

ANNEX

REGISTRATION DATA FOR U.S. SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 30 May, 1996.
All launches were made from the territory of the United States unless otherwise specified.

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1996-029A | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029B | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029C | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029D | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029E | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029F | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-029G | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-029H | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-029I | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-029J | 12 May 1996 | 93.7 | 63.4 | 635 | 284 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects were launched since the last report and remain in orbit(cont.): | | | | | | |
| 1996-031A | 17 May 1996 | 91.0 | 97.1 | 359 | 288 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-031B | 17 May 1996 | 90.9 | 97.1 | 350 | 286 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-032D | 19 May 1996 | 90.1 | 39.0 | 283 | 277 | Spacecraft engaged in research and exploration of the upper atmosphère or outer space |
| 1996-033A | 24 May 1996 | 104.3 | 25.8 | 1,579 | 343 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1996-033B | 24 May 1996 | 104.3 | 25.8 | 1,579 | 343 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-033C | 24 May 1996 | 682.1 | 23.0 | 36,705 | 1,876 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1989-089BE | 18 November 1989 | 102.1 | 98.9 | 958 | 808 | \Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1996-024C | 24 April 1996 | 103.0 | 99.37 | 970 | 842 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 May, 1996: | | | | | | |
| NONE | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 May, 1996: | | | | | | |
| 1996-032A | 19 May 1996 | 90.1 | 39.0 | 284 | 274 | Reusable space transportation systems |
| 1996-032B | 19 May 1996 | 90.1 | 39.0 | 288 | 277 | Spacecraft engaged in research and exploration of the upper atmosphere or outer space |
| 1996-032C | 19 May 1996 | 88.9 | 39.0 | 229 | 217 | Spacecraft engaged in research and exploration of the upper atmosphere or outer space |
| The following objects identified in a previous report are no longer in orbit as of 2400Z 31 May, 1996: | | | | | | |
| 1963-014DR | | | | | | |
| 1963-014DX | | | | | | |
| 1980-032B | | | | | | |
| 1989-089BU | | | | | | |
| 1996-0013B | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

## REGISTRATION DATA FOR U.S. SPACE LAUNCHES

The following report supplements the registration data for the United States Launches as of 30 June, 1996.
All launches were made from the territory of the United States unless otherwise specified.

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1996-036A | 20 June 1996 | 89.7 | 39.0 | 266 | 259 | Reusable space transportation systems |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1961-028G | 21 October 1961 | 165.3 | 95.8 | 4,481 | 2,754 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1978-064G | 27 June 1978 | 99.3 | 108.0 | 738 | 713 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1978-064H | 27 June 1978 | 99.3 | 107.9 | 740 | 713 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1978-096F | 13 October 1978 | 101.2 | 98.8 | 830 | 812 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1983-063E | 27 June 1983 | 100.5 | 82.0 | 813 | 752 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 30 June, 1996: | | | | | | |
| NONE | | | | | | |

| International Designation | Date of Launch | Basic Orbital Characteristics | | | | General Function of Space Objects |
|---|---|---|---|---|---|---|
| | | Nodal Period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 30 June, 1996: | | | | | | |
| NONE | | | | | | |
| The following objects identified in a previous report are no longer in orbit as of 2400Z 30 June, 1996: | | | | | | |
| 1963-014AT | | | | | | |
| 1995-001B | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |